

# Scientists for a GMO-free Sustainable Europe

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#### **Dr. Beatrix Tappeser**

Federal Agency for

Nature Conservation, Germany

Head of Division GMO Regulation, Biosafety

**Bundesamt für Naturschutz** 





# Possible impacts and adverse effects of GMOs

Seed dispersal and coexistence

Cascade effects in food chains

Gene flow and increased weediness

Increase in volunteers and invasiveness

Effects on non-target species



Recombination in pathogens

Impact on pest management and farming practice

Impact on biodiversity in agro-ecosystem

Resistance Development





## Large-scale conservation projects I. Basic information

- A governmental funding programme in Germany to establish and protect natural areas and landscapes of national interest
- Supporting federal states' activities
- Started in 1979
- 62 completed and ongoing projects
- 300 million € funding by the federal government





### Large-scale conservation projects **II. Locations**



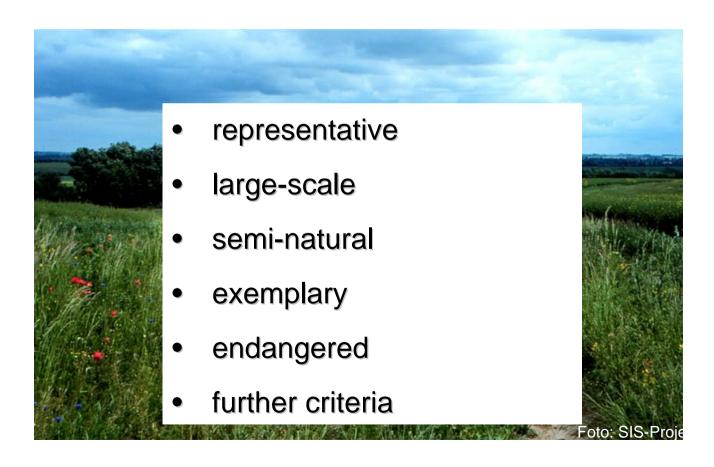
completed projects

ongoing projects





## Large-scale conservation projects III. Good project criteria







### **GMO-free Regions in Germany**

#### Since Nov. 2003:

- 50 GMO-free Regions
- 11.600 farmers
- 430.000 ha arable land
- about 1 million ha total land

16.9.2004 www.faire-nachbarschaft.de







### GMO-free Regions: BfN - Activities

- Project that studies and accompanies a GMO-free Region as part of regional developmental activities
- Funding an information campaign www.faire-nachbarschaft.de
- Supporting conferences, e.g.

"Gentechnikfreie Regionen und Koexistenz" 22./23.Juni 2004 in Berlin





# The German strategy to ensure coexistence

- National genetic engineering act is presently amended to implement directive 2001/18/EC
- Federal Council is partly involved in the legislation procedure
- Guidelines on Best Practice and Coexistence are covered by a regulation and discussed
- Rules are crop-related (isolation distances, buffer zones etc.) or universally applicable (equipment sharing, cleaning, volunteer management etc.)

